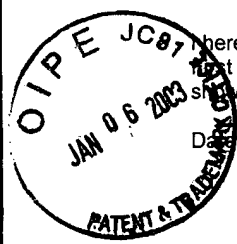


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I hereby certify that this correspondence is being deposited with the US Postal Service with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231, on the date shown below.

Date: January 3, 2003 By:

Kay Gaviglio
Kay Gaviglio

PATENT
Docket No. GC626-3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
Estell et al.)	Group Art Unit: 1645
)	
Serial No. 09/932,279)	Examiner: Not Assigned
)	
Filed: August 17, 2001)	
)	
For: Mass Spectrometric Analysis of)	
Biopolymers)	

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JAN 07 2003

Information Disclosure Statement

TECH CENTER 1600/2900

Commissioner for Patents
Washington, DC 20231

Sir:

Applicants submit herewith patents, publications or other information (listed on the attached Form PTO-1449 and attached thereto) of which they are aware, that they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies the new patent application submitted herewith. 37 CFR §1.97(a).
- (b) ☐ is filed within three months after the filing date of the application or within three months after the date of entry into the national stage of a PCT application as set forth in 37 CFR §1.491.
- (c) ☒ as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits.
- (d) ☐ is filed after the first Office Action and more than three months after the application filing date or PCT national stage date of entry filing but, as far

as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$180.00) set forth in 37 CFR §1.17(p) or a certification as specified in 37 CFR §1.97(e), as checked below. Authorization to charge Deposit Account No. 07-1048 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement is provided in the Transmittal Letter submitted herewith in duplicate.

(e) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and is accompanied by authorization (in the Transmittal Letter submitted herewith in duplicate) to charge Deposit Account No. 07-1048 the fee (\$180.00) set forth in 37 CFR §1.17(l)(1) and a certification as specified in 37 CFR §1.97(e), as checked below. **This document is to be considered as a petition requesting consideration of the Supplemental Information Disclosure Statement.**

[If either of boxes (d) or (e) is checked above, the following "certification" under 37 CFR §1.97(e) may need to be completed.] The undersigned certifies that:

☐ Each item of information contained in the Information Disclosure Statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

☐ No item of information contained in this Information Disclosure Statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

A copy of the items on Form PTO-1449 is supplied: PCT International Search Report for _____, filed ____ with attached patents and publications.

☐ each ☒ none ☐ only those listed below:

Those patent(s) or publication(s) which are marked with an asterisk (*) on the attached Form PTO-1449 are not supplied because they were previously cited by or submitted to the Office in a prior application, Serial No. 09,932,369, filed August 17, 2001, and relied upon in this application for an earlier filing date under 35 USC 120.

A concise explanation of relevance of the items listed on PTO-1449 is:

☒ not given

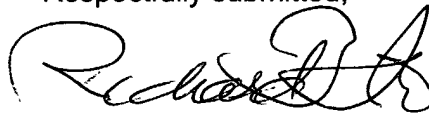
☐ given for each listed item

The Examiner is reminded that a "concise explanation of the relevance" of the submitted prior art "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention." MPEP §609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(b), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and MPEP §609 and the Examiner is respectfully requested to consider the listed references.

Respectfully submitted,

 REG. NO.
32,242
for

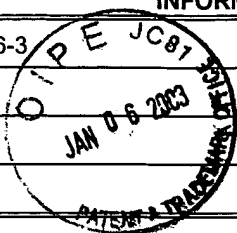
H. Thomas Anderton, Jr.
Registration No. 40,895

Date: January 3, 2002

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INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC626-3	Serial No.: 09/932,279
Applicant: Estell et al.	
Filing Date: August 17, 2001	Group: 1645
Page 1 of 2	Date of this Submission: January 3, 2002



OTHER DOCUMENTS

RECEIVED

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
	* Allen, G., "Sequencing of Proteins and Peptides," 2 nd edn. Elsevier, Amsterdam -- Book
	*Altschul et al., "Basic Local Alignment Search Tool," J. Mol. Biol., V. 215, 1990, pp. 403-410.
	*Bairoch et al., "The SWISS-PROT protein sequence database and its supplement TrEMBL in 2000," Nucl. Acids Res., Vol. 28, pp. 45-48, 2000.
	*Burks et al., "GeneBank: Current Status and Future Directions," Methods in Enzymology, V. 138, pp. 3-22 (1990).
	*Chowdhury et al., "Examination of Recombinant Truncated Mature Human Fibroblast Collagenase by Mass Spectrometry: Identification of Difference with the Published Sequence and Determination of Stable Isotope Incorporation," Rapid Commun. in Mass Spectrom., Vol. 9, pp. 563-569, 1995.
	*Corthals et al., "Identification of Proteins by Mass Spectrometry," Ed. Rabilloud, T. Springer, New York, pp. 197-231, 1999.
	*Christianson et al., "Peptide Mapping of Subtilisins as a Practical tool for Locating Protein Sequence Errors during Extensive Protein Engineering Projects," Anal. Bioch. 1994, Vol. 223, pp. 119-129.
	* Deutscher MP, "Guide to Protein purification," Academic Press, New York. -- Book
	*George et al., "PIR-International Protein Sequence Database", Methods in Enzymology, V. 266, pp. 41-59 (1996).
	*Goddette et al., "The Crystal Structure of the Bacillus lentus Alkaline Protease, Subtilisin BL, at 1.4 Å Resolution", J. Mol. Biol. V. 228, pp. 580-595 (1992).
	*Goeddel et al., "Synthesis of Human Fibroblast Interferon by E. coli," Nucl. Acids Res., Vol. 8, pp. 4057-4074, 1980.
	*Guermant et al., "Under Proper Control, Oxidation of Proteins with Known Chemical Structure Provides an Accurate and Absolute Method for the Determination of Their Molar Concentration", Anal. Biochem. V. 277, pp. 46-57 (2000).
	*Gygi et al., "Quantitative analysis of complex protein mixtures using isotope-coded affinity tags," Nature Biotech. V. 17, pp. 994-999 (1999).
	* Hale & Marham, The Harper Collins Dictionary of Biology, Harper Perennial, NY (1991) -- Book
	* Hancock ES, "New Methods in Peptide Mapping for the Characterization of Proteins", CRC Press, Boca Raton -- Book
	*Hsia et al., "Active-Site Titration of Serine Proteases Using a Fluoride Ion Selective Electrode and Sulfonyl Fluoride Inhibitors," Analytical Biochem., V. 242, pp. 221-227 (1996).
	* Janson et al., "Protein Purification," 2nd edn., Wiley-Liss, New York -- Book
	* Kellner et al., "Microcharacterization of Proteins", 2nd edn., Wiley-VCH, Weinheim -- Book
	*Khan et al., "EMBL Data Library", Methods in Enzymology, V. 183, pp. 23-31 (1990).
	Karlin et al., "Application and Statistics for Multiple High-Scoring Segments in Molecular Sequence," Proc. Natl. Acad. Sci. USA, V. 90, pp. 5873-5877 (1993).
	*Karlin et al., "Methods for assessing the statistical significance of molecular sequence features by using general scoring schemes," Proc. Natl. Acad. Sci. USA, V. 87, pp. 2264-2268 (1990).

Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not

considered. Include copy of this form with next communication to applicant.

PTO-1449

